

AMENDMENT UNDER 37 C.F.R. §1.111
U.S. Application No. 09/849,816
Attorney Docket No. A8809 / SVL920010039US1

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): A method of processing an application request on an end user application and an application server including a transaction manager comprising the steps of:
 - a) initiating the application request on the end user application in a first language with a first application program;
 - b) transmitting the application request to the application server and converting the application request from the first language of the first end user application to a second language in a form for the transaction manager running on the application server;
 - c) processing said application request on the application server;
 - d) transmitting a response to the application request from the application server to the end user application, and converting the response to the application request from the second language conforming to the transaction manager running on the application server to the first language of the first end user application; and
 - e) wherein the end user application and the application server have at least one connector therebetween, and the steps of (i) converting the application request from the first language of the first end user application as a source language to the second language running on the

AMENDMENT UNDER 37 C.F.R. §1.111
U.S. Application No. 09/849,816
Attorney Docket No. A8809 / SVL920010039US1

application server as a target language, and (ii) converting ~~a~~the response to the application request from the second language running on the application server as a source language to the first language of the first end user application as a target language, each comprise the steps of:

- 1) invoking connector metamodels of respective source ~~language~~ and target ~~transaction manager~~ languages;
- 2) populating the connector metamodels with metamodel data of each of the respective source ~~language~~ and target ~~transaction manager~~ languages, ~~the and~~ metamodel data of the target transaction manager ~~including control data, state data, and user data~~; and
- 3) converting the source language to the ~~transaction manager~~ target language.

2. (original): The method of claim 1 wherein the end user application is a web browser.

3. (original): The method of claim 2 wherein the end user application is connected to the application server through a web server, and the web server comprises a connector.

4. (currently amended): The method of claim 1 wherein the metamodel data comprises invocation metamodel data, application domain interface metamodel data, transaction message metamodel data, and type descriptor metamodel data.

AMENDMENT UNDER 37 C.F.R. §1.111
U.S. Application No. 09/849,816
Attorney Docket No. A8809 / SVL920010039US1

5. (currently amended): A transaction processing system comprising a client, a server, and at least one connector therebetween,

a) the client having an end user application, and being controlled and configured to initiate an application request with the server in a first language with a first application program and to transmit the application request to the server;

b) the connector being configured and controlled to receive the application request from the client, convert the application request from the first language of the first end user application running on the client to a second language ~~and in a form for~~ a transaction manager running on the server;

c) the server being configured and controlled to receive the converted application request from the connector and ~~processing-process~~ the said application request in ~~a~~ the second language with a second application program residing on the server, and to thereafter transmit a response to the application request through the connector back to the first application program on the client;

d) the connector being configured and controlled to receive ~~a~~ the response to the application request from the server, to convert ~~a~~ the response to the application request from the second language running on the ~~application~~ server to the first language of the first application program running on the client; and

e) wherein the connector between the client and the server is configured and controlled to (i) convert the application request from the first language of the client application on the client as

AMENDMENT UNDER 37 C.F.R. §1.111
U.S. Application No. 09/849,816
Attorney Docket No. A8809 / SVL920010039US1

a source language to the second language running on the ~~application~~-server as a target language, and (ii) convert the response to the application request from the second language running on the ~~application~~-server as a source language to the first language of the client application running on the client as a target language, each by a method comprising the steps of:

- 1) retrieving connector metamodels of respective source and target languages ~~and target transaction manager~~ from a metamodel data repository, ~~said~~ including transaction manager metadata corresponding to the transaction manager ~~including control data, state data, and user data;~~
- 2) populating the connector metamodels with metamodel data from the metamodel data repository for each of the respective source and target languages; and
- 3) invoking the retrieved, populated connector metamodels and converting the source language to the target language.

6. (original): The system of claim 5 wherein the end user application is a web browser.

7. (currently amended): The system of claim 6 wherein the end user application is connected to the ~~application~~-server through a web server, and the web server comprises ~~an~~ a connector.

8. (currently amended): A transaction processing system configured and controlled to interact with a client application, and comprising a server, and at least one connector between the server and the client application, ~~where the client has an end user application, and is controlled and configured to initiate an application request with the server in a first language with a first application program and to transmit the application request to the server,~~ wherein:

a) the client having an end user application, and being configured and controlled to initiate an application request with the server in a first language with a first application program and to transmit the application request to the server;

~~a)b)~~ the connector being configured and controlled to receive ~~an~~ the application request from the client, convert the application request from the first language of the first end user application running on the client to a second language in a form for a transaction manager running on the server;

~~b)c)~~ the server being configured and controlled to receive the converted application request from the connector and process the ~~said~~ application request in ~~a~~ the second language with a second application program and ~~a target~~ the transaction manager residing on the server, and to thereafter transmit a response to the application request through the connector back to the first application program on the client;

~~e)d)~~ the connector being configured and controlled to receive the response to the application request from the server, to convert ~~a~~ the response to the application request from the

AMENDMENT UNDER 37 C.F.R. §1.111
U.S. Application No. 09/849,816
Attorney Docket No. A8809 / SVL920010039US1

second language running on the ~~application~~ server to the first language of the first application program running on the client; and

~~d)e)~~ wherein the connector between the client and the server is configured and controlled to (i) convert the application request from the first language of the client application on the client as a source language to the second language running on the application server as a target language, and (ii) convert the response to the application request from the second language running on the application server as a source language to the first language of the client application running on the client as a target language, each by a method comprising the steps of:

- 1) retrieving connector metamodel data of respective source and target languages from a metamodel data repository;
- 2) populating the connector metamodels with metamodel data of each of the respective source and target languages, and ~~target~~ the transaction manager, from the metamodel data repository, ~~said target transaction manager metadata including control data, state data, and user data;~~ and invoking the retrieved, populated connector metamodels; and
- 3) converting the source language to the target language.

9. (original): The system of claim 8 wherein the end user application is a web browser.

AMENDMENT UNDER 37 C.F.R. §1.111
U.S. Application No. 09/849,816
Attorney Docket No. A8809 / SVL920010039US1

10. (currently amended): The system of claim 9 wherein the end user application is connected to the ~~application~~-server through a web server, and the web server comprises ~~an~~-a connector.

11. (currently amended): A program product comprising a computer-readable storage medium having invocation metamodel data, application domain interface metamodel data, language metamodel data, and transaction manager metamodel data, said transaction manager metamodel data including control data, state data, and user data; and computer instructions for building a metamodel data repository of source and target language metamodel data.

12. (original): The program product of claim 11 wherein the metamodel data in the repository comprises invocation metamodel data, application domain interface metamodel data, transaction manager metamodel data, and type descriptor metamodel data.

13. (new): The method of claim 1 wherein the metamodel data of the transaction manager includes control data, state data, and user data.

14. (new): The system of claim 5 wherein the transaction manager metadata includes control data, state data, and user data.

AMENDMENT UNDER 37 C.F.R. §1.111
U.S. Application No. 09/849,816
Attorney Docket No. A8809 / SVL920010039US1

15. (new): The system of claim 8 wherein the metamodel data of the transaction manager includes control data, state data, and user data.